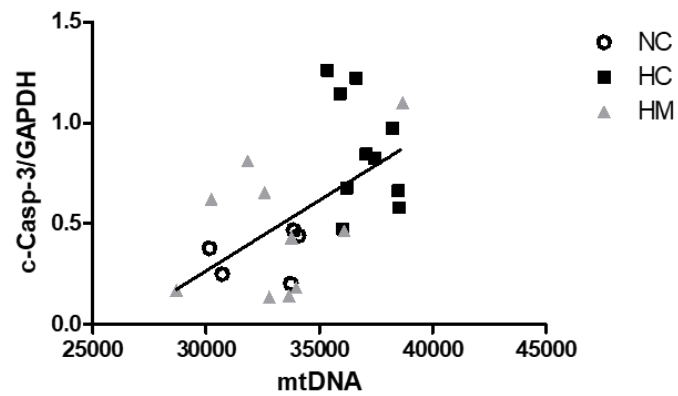
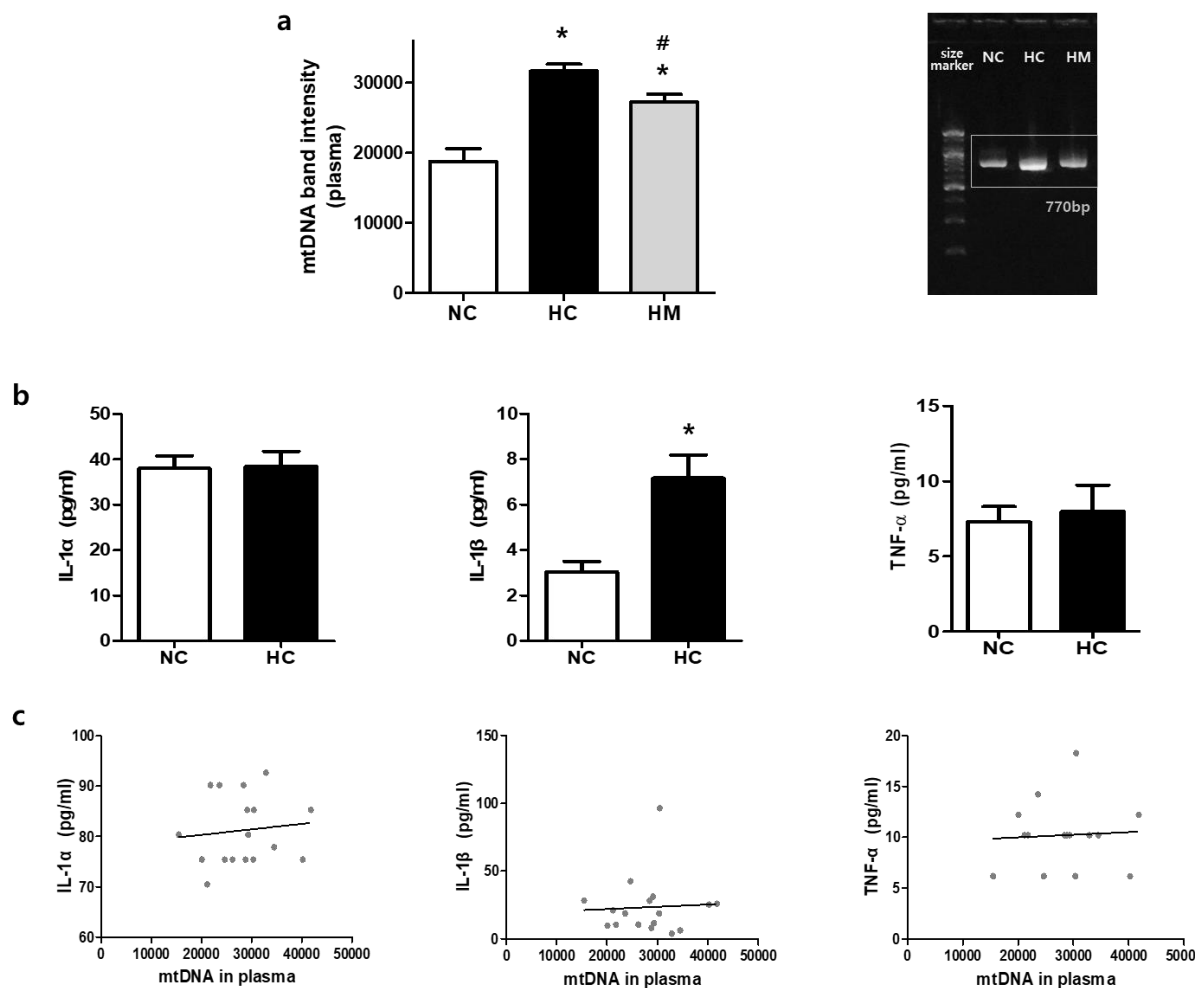


Supplementary materials



Supplementary Fig. S1. Correlation analyses of levels of cleaved caspase-3 (c-Casp-3) and mtDNA release, shown in Fig. 3 and b, in hyperoxia-induced lung injury in newborn rats. Y axes: level of c-Casp-3, normalized to GAPDH, measured in lung tissues. X-axes: level of extracellular mtDNA measured in BAL fluids. ($R^2 = 0.314$, $P < 0.01$). (n = 6, 10 and 10 in NC group, HC group and HM group, respectively). NC, normal control group; HC, hyperoxia control group; HM, hyperoxia with MSC transplantation group.



Supplementary Fig. S2. Levels of extracellular mtDNA and inflammatory cytokines measured in plasma of newborn rats. (a) Level of extracellular mtDNA in plasma in NC, HC, and HM groups (n = 12, 14 and 18 in NC group, HC group and HM group, respectively). (b) Levels of inflammatory cytokines (IL-1a, IL-1b, and TNF-a) in plasma of HC group compared to NC group (n = 18/ group) (c) and correlation analyses of levels of extracellular mtDNA and inflammatory cytokines (IL-1a, IL-1b, and TNF-a) in hyperoxia-induced lung injury (HC) group (n = 18). Data are given as mean $\pm$ SEM. *P < 0.05 vs. NC. #P < 0.05 vs. HC. NC, normal control group; HC, hyperoxia control group; HM, hyperoxia with MSC transplantation group.

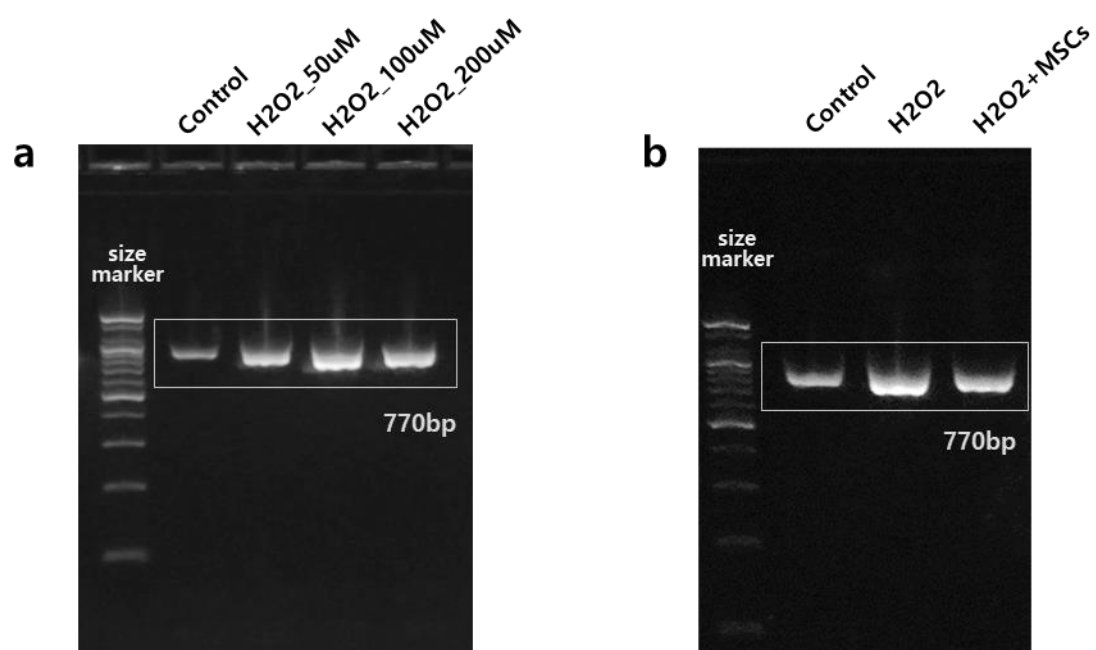


Figure S3. Full-length PCR gels shown in Figure 1b and Figure 1d.

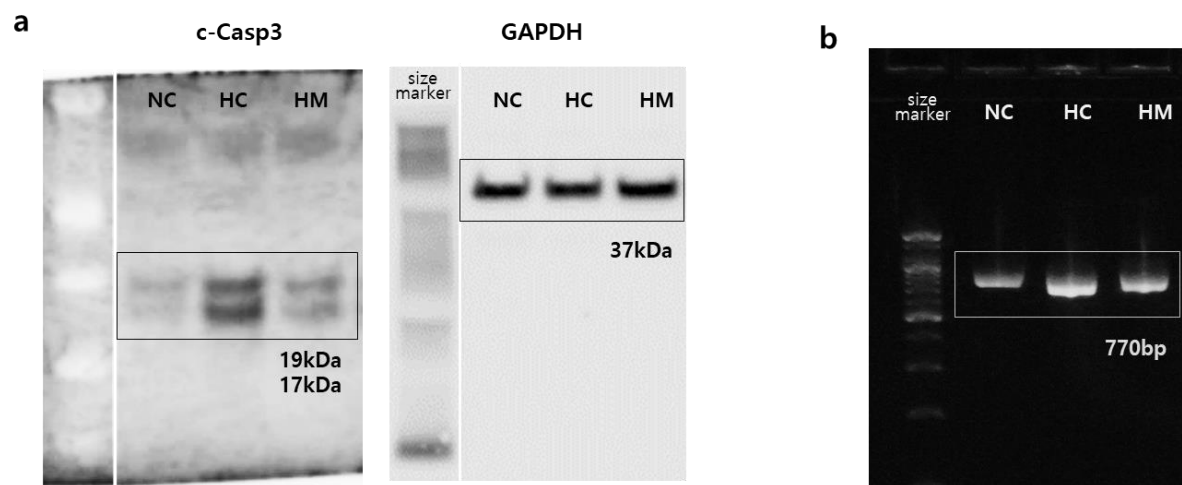
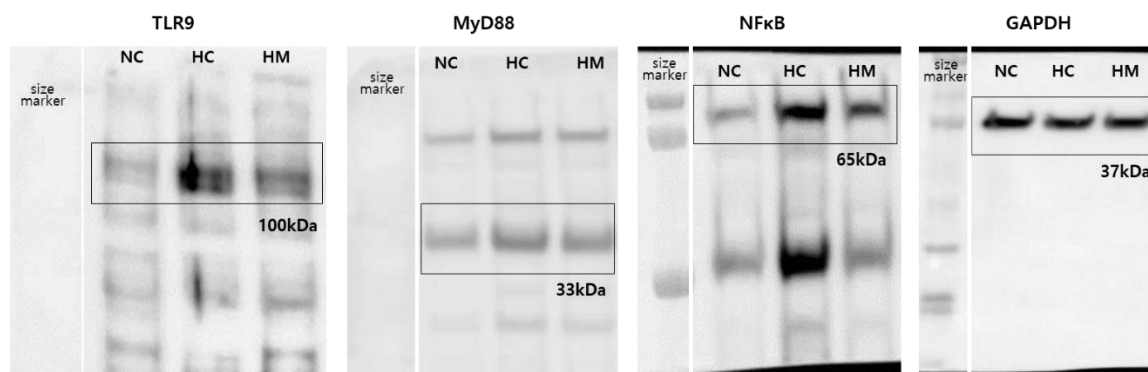


Figure S4. Full-length Western blots shown in Figure 2a and full-length PCR gels shown in Figure 2b.



Supplementary Fig. S5. Full-length Western blots shown in Figure 3.